

## 2015 - 2016 Winter Grape Bud Hardiness Okanagan Valley BC

Location	Variety	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date
Osoyoos, southeast	Cabernet Franc			-16.0	05-Nov	-20.5	19-Nov	-22.4	03-Dec	-23.7	17-Dec			-22.3	14-Jan										
Black Sage	Cabernet Franc	-14.1	27-Oct	-19.1	10-Nov	-22.1	24-Nov	-22.0	08-Dec	-23.4	22-Dec	-25.2	05-Jan	-23.3	19-Jan	-23.5	02-Feb								
Oliver east	Cabernet Franc	-14.4	27-Oct	-18.1	10-Nov	-22.5	24-Nov	-21.8	08-Dec	-24.7	22-Dec	-25.2	05-Jan	-23.8	19-Jan	-24.3	02-Feb								
Osoyoos, southeast	Cabernet Sauvignon			-17.2	10-Nov	-19.3	24-Nov	-21.0	08-Dec	-21.6	22-Dec	-24.1	05-Jan	-22.0	19-Jan	-22.3	02-Feb								
Black Sage	Cabernet Sauvignon	-13.0	27-Oct	-16.6	10-Nov	-20.5	24-Nov	-20.6	08-Dec	-23.3	22-Dec	-23.9	05-Jan	-23.1	19-Jan	-21.4	02-Feb								
Osoyoos northeast	Cabernet Sauvignon	-14.3	27-Oct	-18.6	10-Nov	-21.2	24-Nov	-20.8	08-Dec	-22.2	22-Dec	-24.5	05-Jan	-22.6	19-Jan	-23.2	02-Feb								
Osoyoos northeast	Cabernet Sauvignon	-12.7	27-Oct	-17.6	10-Nov	-20.9	24-Nov	-21.8	08-Dec	-23.3	22-Dec	-24.4	05-Jan	-22.8	19-Jan	-22.9	02-Feb								
Osoyoos, southeast	Chardonnay			-20.7	05-Nov	-22.2	19-Nov	-22.6	03-Dec	-23.9	17-Dec			-23.2	14-Jan										
Black Sage	Chardonnay	-15.0	22-Oct	-19.0	05-Nov	-22.0	19-Nov	-23.0	03-Dec	-23.7	17-Dec			-23.2	14-Jan										
Naramata bench	Chardonnay			-20.2	10-Nov	-22.1	24-Nov	-22.5	08-Dec	-22.0	22-Dec	-23.4	05-Jan	-23.2	19-Jan	-23.1	02-Feb								
OK Falls, east	Chardonnay	-15.7	27-Oct	-22.0	10-Nov	-22.8	24-Nov	-23.5	08-Dec	-21.8	22-Dec	-24.3	05-Jan	-23.3	19-Jan	-22.3	02-Feb								
Oliver east	Chardonnay	-16.5	27-Oct	-20.7	10-Nov	-23.3	24-Nov	-22.2	08-Dec	-23.4	22-Dec	-25.0	05-Jan	-23.9	19-Jan	-23.2	02-Feb								
Kelowna	Gewurztraminer			-17.6	10-Nov	-20.2	24-Nov	-21.2	08-Dec	-21.1	22-Dec	-23.1	05-Jan	-21.6	19-Jan	-21.7	02-Feb								
OK Falls, west	Gewurztraminer	-13.9	27-Oct	-19.6	10-Nov	-22.0	24-Nov	-21.6	08-Dec	-22.1	22-Dec	-23.7	05-Jan	-22.6	19-Jan	-23.5	02-Feb								
Oliver east	Gewurztraminer	-16.7	27-Oct	-21.1	10-Nov	-22.6	24-Nov	-22.0	08-Dec	-22.6	22-Dec	-25.1	05-Jan	-23.8	19-Jan	-23.6	02-Feb								
Osoyoos west	Merlot			-17.0	05-Nov	-20.1	19-Nov	-19.6	03-Dec	-22.8	17-Dec			-21.3	14-Jan										
Oliver, west	Merlot	-12.8	27-Oct	-17.4	10-Nov	-20.3	24-Nov	-19.9	08-Dec	-22.5	22-Dec	-24.0	05-Jan	-21.5	19-Jan	-22.0	02-Feb								
Osoyoos northeast	Merlot	-15.9	27-Oct	-19.7	10-Nov	-22.2	24-Nov	-22.2	08-Dec	-23.2	22-Dec	-24.0	05-Jan	-24.1	19-Jan	-23.1	02-Feb								
Black Sage	Merlot	-14.4	27-Oct	-19.3	10-Nov	-21.1	24-Nov	-22.0	08-Dec	-21.9	22-Dec	-23.7	05-Jan	-21.7	19-Jan	-22.4	02-Feb								
Black Sage	Pinot blanc	-14.0	27-Oct	-20.0	10-Nov	-22.1	24-Nov	-22.3	08-Dec	-23.3	22-Dec	-24.4	05-Jan	-23.5	19-Jan	-24.1	02-Feb								
Oliver east	Pinot blanc	-18.3	27-Oct	-23.3	10-Nov	-23.8	24-Nov	-23.6	08-Dec	-23.1	22-Dec	-26.2	05-Jan	-24.1	19-Jan	-24.1	02-Feb								
Oliver east	Pinot gris	-18.6	22-Oct	-21.0	05-Nov	-22.6	19-Nov	-23.8	03-Dec	-25.5	17-Dec			-24.5	14-Jan										
Black Sage	Pinot gris	-15.2	27-Oct	-20.7	10-Nov	-23.6	24-Nov	-23.1	08-Dec	-23.0	22-Dec	-25.2	05-Jan	-24.4	19-Jan	-24.9	02-Feb								
Naramata bench	Pinot gris			-18.3	10-Nov	-21.5	24-Nov	-21.2	08-Dec	-21.7	22-Dec	-23.0	05-Jan	-23.1	19-Jan	-22.7	02-Feb								
OK Falls, east	Pinot gris	-17.2	27-Oct	-22.3	10-Nov	-23.6	24-Nov	-23.4	08-Dec	-23.9	22-Dec	-25.5	05-Jan	-22.7	19-Jan	-23.4	02-Feb								
Oliver east	Pinot gris	-16.7	27-Oct	-21.8	10-Nov	-23.8	24-Nov	-23.9	08-Dec	-23.4	22-Dec	-26.2	05-Jan	-24.0	19-Jan	-24.1	02-Feb								
Naramata bench	Pinot noir			-17.2	10-Nov	-21.7	24-Nov	-22.5	08-Dec	-22.2	22-Dec	-24.1	05-Jan	-23.2	19-Jan	-23.8	02-Feb								
Black Sage	Pinot noir	-16.4	27-Oct	-20.2	10-Nov	-23.9	24-Nov	-23.9	08-Dec	-24.6	22-Dec	-25.8	05-Jan	-24.7	19-Jan	-24.0	02-Feb								
Kelowna	Pinot noir			-20.9	10-Nov	-22.7	24-Nov	-21.7	08-Dec	-22.6	22-Dec	-24.1	05-Jan	-23.3	19-Jan	-23.3	02-Feb								
Osoyoos northeast	Pinot noir	-15.9	27-Oct	-21.3	10-Nov	-22.7	24-Nov	-23.3	08-Dec	-23.5	22-Dec	-25.3	05-Jan	-23.4	19-Jan	-23.1	02-Feb								
Naramata bench	Riesling			-19.0	10-Nov	-22.9	24-Nov	-23.7	08-Dec	-23.9	22-Dec	-26.0	05-Jan	-24.5	19-Jan	-23.6	02-Feb								
Black Sage	Riesling	-16.1	27-Oct	-19.3	10-Nov	-22.7	24-Nov	-22.8	08-Dec	-23.1	22-Dec	-23.5	05-Jan	-24.2	19-Jan	-23.7	02-Feb								
Black Sage	Riesling	-17.2	27-Oct	-21.4	10-Nov	-23.7	24-Nov	-24.5	08-Dec	-24.7	22-Dec	-24.5	05-Jan	-25.2	19-Jan	-25.0	02-Feb								
West Kelowna	Riesling			-19.9	10-Nov	-23.3	24-Nov	-23.2	08-Dec	-23.8	22-Dec	-25.3	05-Jan	-24.0	19-Jan	-23.3	02-Feb								
Oliver east	Riesling	-17.7	27-Oct	-21.2	10-Nov	-23.5	24-Nov	-22.3	08-Dec	-24.2	22-Dec	-26.1	05-Jan	-24.2	19-Jan	-24.5	02-Feb								
Oliver east	Sauvignon blanc	-14.3	27-Oct	-18.8	10-Nov	-21.8	24-Nov	-22.0	08-Dec	-22.7	22-Dec	-24.1	05-Jan	-22.5	19-Jan	-22.1	02-Feb								
Oliver east	Sauvignon blanc	-14.7	27-Oct	-20.3	10-Nov	-22.2	24-Nov	-22.0	08-Dec	-22.6	22-Dec	-24.5	05-Jan	-22.9	19-Jan	-22.3	02-Feb								
Osoyoos, southeast	Shiraz			-15.6	05-Nov	-19.5	19-Nov	-21.4	03-Dec	-22.5	17-Dec			-21.0	14-Jan										
Osoyoos, southeast	Shiraz			-13.5	05-Nov	-18.5	19-Nov	-20.8	03-Dec	-22.3	17-Dec			-20.9	14-Jan										
Osoyoos, southeast	Shiraz			-19.0	10-Nov	-21.1	24-Nov	-21.3	08-Dec	-21.7	22-Dec	-24.6	05-Jan	-23.3	19-Jan	-22.7	02-Feb								
Black Sage	Shiraz	-12.9	27-Oct	-18.5	10-Nov	-20.8	24-Nov	-19.6	08-Dec	-23.1	22-Dec	-23.0	05-Jan	-23.0	19-Jan	-22.3	02-Feb								
Osoyoos northeast	Shiraz	-12.8	27-Oct	-15.4	10-Nov	-20.3	24-Nov	-20.3	08-Dec	-22.0	22-Dec	-23.6	05-Jan	-21.3	19-Jan	-22.1	02-Feb								
Osoyoos northeast	Shiraz	-14.5	27-Oct	-17.6	10-Nov	-20.8	24-Nov	-20.4	08-Dec	-22.5	22-Dec	-23.7	05-Jan	-22.6	19-Jan	-22.1	02-Feb								
Osoyoos west	Viognier			-17.2	05-Nov	-22.2	19-Nov	-22.7	03-Dec	-24.5	17-Dec			-22.0	14-Jan										
<b>Average Bud Hardiness (all sites, all varieties)</b>		<b>-15.2</b>		<b>-19.1</b>		<b>-21.9</b>		<b>-22.1</b>		<b>-23.0</b>		<b>-24.5</b>		<b>-23.1</b>		<b>-23.2</b>									

LTE - Lethal Temperature Exotherm (°C)

Average LTE/site is the mean temperature for bud death from 3 vines at selected sites in the Okanagan Valley

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